

January 24, 2018

8120-2800-32640-02

Nicholas Haddow, J.D.  
Regulatory Specialist  
Aqua Terra Water Inc.  
#700, 1816 Crowchild Trail N.W.  
Calgary, AB, T2M 3Y7

Dear Mr. Haddow,

**RE: EXTENDED INJECTIVITY TEST  
AQTWM SUNRISE 7-24-78-17 W6M; WA# 35043  
SUNRISE FIELD – CADOMIN FORMATION**

Commission staff have reviewed the application from CG Engineering Ltd., on behalf of Aqua Terra Water Inc., dated January 9, 2018, requesting an extended injectivity test of 1,500 m<sup>3</sup> into the Cadomin formation of the subject well.

The subject well was completed in the Cadomin formation for disposal purpose in December 2018. An extended injectivity test is requested in order to determine the commercial longevity of the reservoir.

Attached please find **Order 18-02-002**, designating an area near the Sunrise field, in the Cadomin formation, as a Special Project under section 75 of the Oil and Gas Activities Act, for the temporary operation and use of a storage reservoir for the injection of produced water. This authorization does not warrant that a future disposal approval will be issued.

Additional general information regarding disposal wells is available on the Commission's website at <http://www.bcogc.ca/industry-zone/documentation/Subsurface-Disposal>.

Should you have any questions, please contact Michelle Harding at (250) 419-4493 or Ron Stefik at (250) 419-4430.

Sincerely,



Ron Stefik, Eng. L.  
Supervisor, Reservoir Engineering  
Oil and Gas Commission

Attachment

cc: Crosby Cook, CG Engineering



IN THE MATTER of the application via email from CG Engineering, on behalf of Aqua Terra Water Inc., to the Oil and Gas Commission (Commission), dated January 9<sup>th</sup>, 2018 for an extended injectivity test:

**ORDER 18-02-002**

1 Under Section 75(1)(d) of the *Oil and Gas Activities Act*, the Commission designates the temporary operation and use of a storage reservoir for the injection of produced water, including flowback from fracturing operations, near the Sunrise field – in the Cadomin formation as a special project in the following area:

DLS Twp 78 Rge 17 W6M Section 24 – Lsds 1, 2, 7, and 8

2 Under section 75(2) of the *Oil and Gas Activities Act*, the special project designation in this Order is subject to the following conditions. The Permit Holder shall:

- a) Inject produced water into the well AQTWM Sunrise 7-24-78-17; WA# 35043 Cadomin formation (perforations 1578.0 – 1606.0 mKB)
- b) Not exceed an injection pressure, measured at the wellhead on the subject well, of 20,500 kPag or the pressure required to fracture the formation, whichever is lesser.
- c) Inject only through tubing with a packer set as near as is practical above the injection interval.
- d) The total volume of injected water must not exceed 1,500 m<sup>3</sup>.

  
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Ron Stefik, Eng. L.  
Supervisor, Reservoir Engineering  
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 24<sup>th</sup> day of January, 2018.